

Key technology areas of interest and opportunities -

DARPA SBIR 16.1 Solicitation topics (solicitation closed 2/17/16):

- Rapid Assembly and Transfer Techniques for Large DNA Constructs
- Miniaturized Wireless Microscope and Tissue Diagnostics
- Rugged, chip-scale, optical frequency combs for real-world applications
- Building Trustworthy Software Systems using Big Code
- High Dynamic Range Atomic Magnetic Gradiometer
- Long Link Range Maritime Communications
- Persistent Platform in Geosynchronous Earth Orbit

16.2/16.B Solicitation will pre-release 4/22/16, open 5/23/16, close 6/22/16; 16.3/16.C Solicitation will pre-release 8/26/16, open 9/26/16, close 10/26/16. See <https://sbir.defensebusiness.org/> for posting.

DARPA Major Challenges (from

<http://www.darpa.mil/attachments/DARPATodayAnticipatingandMeetingNewChallenges.pdf>):

- Harnessing Complexity for Air Dominance
- Achieving Extreme Hypersonic Flight
- Owning the Electromagnetic Spectrum
- Strengthening Sophisticated Cyber Defenses
- Revolutionizing Satellite Launch and Service
- Plumbing the Web's Deepest Resources
- Speeding Recovery for Injured Brains and Bodies
- Finding Synergies at the intersection of Biology and Engineering
- Enabling Rapid Biological Threat Assessment and Response
- Finding, Tracking and Trailing Submarines
- Advancing Capabilities in Ground Robotics

DARPA Technology Office (BTO, DSO, I2O, MTO, STO, TTO) areas of interest – See

<http://www.darpa.mil/about-us/offices> for office description and focus. See

<http://www.darpa.mil/work-with-us/opportunities> for full list of active BAAs.

DARPA Mission

To make pivotal investments in breakthrough technologies for national security; focus on transformational change instead of incremental advances.

Links/names/resources

DARPA Web Site: <http://www.darpa.mil/about-us/about-darpa>

SBIR/STTR Portal: <https://sbir.defensebusiness.org>

DoD SBIR/STTR web site: <http://www.acq.osd.mil/osbp/sbir/sb/index.shtml>

Defense Innovation Marketplace: <http://www.defenseinnovationmarketplace.mil/index.html>

SBA SBIR/STTR web site: <https://www.sbir.gov/>

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